Table H.--Engineering Index Properties

(Absence of an entry indicates that the data were not estimated.)

			Classif	ication		Fragments		l Pe:	rcentag		I		
Map symbol	Depth	USDA texture	l					:	sieve n	Liquid			
and soil name			 Unified	 AASHTO			3-10 inches	 4	10	40	200	limit 	ticity index
			I			l	l	l	l		l	I	l
	In					Pct	Pct	1	1	!	<u> </u>	Pct	<u> </u>
Cg: Chagrin	0.0	 Loam	 CL, CL-ML, ML	17. 4		l I 0	I I 0	105 100	105 100	100 100		120-35	2 10
Chagrin				A-4 A-2, A-4,	A – 6							120-35	
	0 11	loam, sandy		2, 21 1,	21 0	1	l 0	1 30 100	73 ±00 	33 30	1	120 10	
		loam	i	İ				i				i	
	41-65	Stratified silt	ML, SM, SP-SM	A-2, A-4		0	0	75-100	65-100	40-85	10-80	20-40	NP-10
		loam to	1	[1		1			l
		gravelly fine sand						1					
FpE:		Sand	1	 		 	 	 	 	 	 	1	
Fairpoint	0-2	Channery clay	CL, GC, SC	A-6, A-7		0	5-20	 65 - 90	 55-80	45-80	 35-75	35-50	12-24
		loam					ĺ	ĺ	ĺ	İ	l	İ	l
	2-65	Very channery		A-2, A-4,	A-	0	15-30	55-75	25-65	20-65	15-60	25-50	4-24
			GC, SC	6, A-7									
		<pre> extremely channery clay</pre>	1	I I		 	 	 	 	 	 	1	
		loam,		1		! 	! 	i I	! 	! 	! 	1	!
j		extremely	İ	İ				İ	İ	İ		į	
		channery loam	1	1									
GpF3:			1	1		 	 		 		 		
Gilpin		Very stony silt		A-2, A-4,	A-6	0-5	10-40	50-90	45-85	35-75	30-70	20-40	4-15
			GC, SC		_								
	1-22	Channery silt		A-2, A-4,	A-5	0	0-30	50-95	45-90	35-85	30-80	20-40	4-15
		loam, channery		 		 	 	 	 	 	 	1	
		silty clay						İ		İ		i	
j		loam	İ	Ī		l	ĺ	ĺ	ĺ	İ	l	İ	l
	22-25	Channery loam,			A-	0	0-35	25-55	20-50	15-45	15-40	20-40	4-15
		very channery		4, A-5									
		silt loam, very channery	1	I I		 	 	 	 	 	 	1	
		silty clay		1		! 	! 	1	 	! 	! 		!
		loam						İ		İ		i	
	25-29	Unweathered	1	I									
		bedrock	1	<u> </u>		l	l	[1	1	l		l
								1		1		1	l

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	 USDA texture	Classif	icatio	n	 	Fragr	nents		rcentag	 Liquid			
and soil name	_		Unified	l I AA	SHTO	i	>10	3-10 linches	I I 4	1 10	1 40	1 200	limit	ticity index
				_ii				l	l	l	200 	İ		
Peabody	In 0-1	 Very stony silt loam		 A-4,	A-6	 	Pct 0-5	Pct 3-10	 95-100 	 90-100 	 80-100	 65-90 	Pct 25-35	 5-14
		Silty clay loam, silty clay, channery silty clay	CH, CL 	A-6,	A-7	 	0	0 0	95-100 	90-100 	80-100 	75-95 	35-55 	15-30
	31-36		 	A-2, 	A-6, A	7 	0	 0 	 50-100 	 20-45 	15-45 	 15-45 	30-55 	11-30
	36-40	Weathered bedrock	 			 		 	 	 	 	 		
GsF: Gilpin	0 1	 Very stony silt	 CT CT MT		A-4, A	61	0 5	110 40		145 05	 35-75	130 70	120 40	 4 - 15
GIIDIII	0-1		GC, SC	A-2,	A-4, A	ا 0 –. ا	0-5				33-73	30-70	20-40	4-13
		Channery silt loam, channery loam, channery silty clay loam	GC-GM, SC	A-2,	A-4, A	5 –. 	0	0-30 	50-95 	45-90 	35-85 	30-80 	20-40 	4-15
		Channery loam, very channery silt loam, very channery silty clay loam	 	A-1, 4, A 		. - 	0	0-35 	25-55 	20-50 	15-45 	15-40 	20-40 	4-15
	25-29	Unweathered bedrock	1											
	In	bearock	 	 		 	Pct	 Pct 	 	 	 	 	 Pct	
Pineville	0-5	Very stony loam	CL-ML, ML, SC-SM, SM	A-2,	A-4	 	0-5	3-15	 55-90 	 50-85 	45-80 	 30-75 	25-35	4-10
		Loam, channery	CL, CL-ML, SC, SC-SM	A-2,	A-4, A	6 6 	0	0-10 	55-85 	50-80 	45-75 	30-65 	25-40 	6-15
	59-65	Channery loam, very channery clay loam, very channery sandy loam	GC-GM, GM, SC, SC-SM 	A-1, 4, A 	A-2, A	 	0	5-20 	35-75 	30-70 	25-65 	20-60 	25-35 	4-12

Table H.--Engineering Index Properties--Continued

Map symbol	 Depth	 USDA texture	Classif	ication	Fragments >10 3-10		Percentage passing sieve number				 Liquid	
and soil name		 	 Unified 	AASHTO	>10 inches 		 4 	10 	40 	200 	limit 	ticity index
GuC3:	In	 	 	 	Pct	Pct	 	 	 	 	Pct	
Gilpin 	1-22 	Channery silt	CL, CL-ML, GC, SC	A-4, A-6 A-2, A-4, A-6 	0 0 						20-40 20-40 	
		loam Channery loam, very channery silt loam, very channery silty clay loam	 	 A-1, A-2, A- 4, A-6 	 0 	 0-35 	 25-55 	 20-50 	 15-45 	 15-40 	 20-40 	 4-15
	 25-29 	Unweathered bedrock	 	 	 	 	 	 	 	 		
Upshur			 CL, CL-ML, ML CH, CL, MH		 0 0						25-40 45-70	
	37-46 	Silty clay	CH, CL, MH, ML	A-6, A-7 	0	0	80-100 	65-100 	60-100 	55-95 	35-55 	11-25
_	46-50 	Weathered bedrock	 	 	 	 	 	 	 	 	 	
GuD3: Gilpin	1-22 	Channery silt	CL, CL-ML, GC, SC	 A-4, A-6 A-2, A-4, A-6 	 0 0 	•	•		•		 20-40 20-40 	
		Toam Channery loam, very channery silt loam, very shaly silty clay loam		A-1, A-2, A- 4, A-6 	 0 	0-35 	 25-55 	 20-50 	 15-45 	 15-40 	120-40	 4-15
	 25-29 	Ioan Unweathered bedrock 	 	 	 	 	 	 	 	 	 	

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	 USDA texture	 	Classif	icati	on		Fragments			rcentage	 Liquid			
and soil name	-1	1	i —		l			>10	1 0 = 0	i 				limit	ticity
] 	i	Unified	A	ASHTO		inches	inches	4 	10	40 	200	 	index
	In 0-6	 Silt loam	l CL.	CL-ML, ML	 A-4,	A-6		Pct 0	Pct 0	 95-100	 95-100	 85-100	 65-90	 Pct 25-40	' 5-15
	6-37		CH,		A-7			0				90-100			
	37-46	Silty clay	CH, ML		A-6, 	A-7		0	0 	80-100 	65-100 	60-100 	 55-95 	35-55 	 11-25
	46-50	Clay, Clay Weathered bedrock	 		 			 	 	 	 	 	 	 	
GuE3:		1						!			l				l <u></u>
Gilpin 	1-22	Channery silt	CL,		A-4, A-2, 	A-6 A-4,	A-6	0 0 				70-85 35-85 		20-40 20-40 	4-15 4-15
	In	IOanii	 		 			Pct	 Pct	! 	! 	! 	! 	Pct	!
		Channery loam, very channery silt loam, very channery silty clay loam	 		A-2, 6, 		A-	0 	0-35 	25-55 	20-50 	15-45 	15-40 	20-40 	4-15
İ	25-29	Unweathered bedrock	 		 			 	 	 	 	 	 	 	
Upshur	6-37	Silty clay,	CH,	CL-ML, ML CL, MH	A-4, A-7	A-6		0 0				85-100 90-100			
	37-46	loam, very channery silty	CH, ML	CL, MH,	 A-6, 	A-7		 0 	 0 	 80-100 	 65-100 	 60-100 	 55-95 	 35-55 	 11-25
 		clay, clay Weathered bedrock 	 		 			 	 	 	 	 	 	 	
Ha: Hackers 		 Silt loam Silt loam, clay loam, silty clay loam		CL-ML, ML CL-ML, ML				 0 0 				 75-100 90-100 			

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	 USDA texture	Classif	l	ments		rcentage sieve n	 Liquid						
and soil name		 	 Unified	 A	ASHTO		>10 inches	3-10 inches		10	40	200	limit 	ticity index
	In	.		¦			 Pct	Pct		¦		' 	Pct	
ItE:			[I									1	
	0-9	Channery clay loam	CL, ML	A-4,	A-6		0 	0-10 	55-80 	50-75 	45-75 	35-70 	30-40 	10-18
 	9-65	Very channery sandy loam, very channery loam, extremely channery loam	I	A-1, 	A-2		0 	0-15 	30-55 	25-50 	20-45 	10-35 	15-25 	NP-7
JnE:			I I	l I			 	 	 	 	 	 	1]
Janelew	0-2	Channery silt	CL, CL-ML,	A-4,	A-6		0	0-5	 55-80 	 50-75 	45-70 	 40-65 	20-35	4-11
		Extremely channery silty clay loam, very channery silt loam	 	A-2, 	A-4,	A-6	0 	10-25 	35-70 	30-65 	30-60 	25-50 	25-40 	8-14
Ka:				i			' 	İ	İ		İ		i	İ
Kanawha	0-7	Loam	CL, CL-ML, ML	A-4					80-100	75-100	65-100	50-90	120-35	2-10
1	7-13	Loam, silt loam	CL, ML, SC,	A-2,	A-4,	A-6	0 	0 	80-100 	75-100 	50-100 	30-90 	20-35 	2-12
	13-65		CL, ML, SC, SM	A-2,	A-4,	A-6	0 0	0 	80-100 	75-100 	60-100 	25-80 	20-40	3-15
MoB:			! 	! 			 	! [! [! 	! 	1	
Monongahela	0-11		CL-ML, ML, SC-SM, SM	A-4 			0 	0-5 	 90-100 	85-100 	75-100 	45-90 	20-35 	1-10
 	11-25	Silt loam, clay		A-4, 	A-6		0 	0-15 	90-100 	80-100 	75-100 	70-90 	20-40 	5-15
	25-65	Silt loam, clay loam, gravelly loam		A-4, 	A-6		0 	0-10 	80-100 	60-100 	55-95 	45-95 	20-40	3-15

Table H.--Engineering Index Properties--Continued

Map symbol	 Depth	 USDA texture	Classif	icatio	on		l	ments		rcentag sieve n		 Plas- ticity		
and soil name	 	 	 Unified 	 AA	ASHTO		, 10	3-10 inches	 4	10	40	200		ticity index
MoC:	 In		 	'			Pct	Pct	' 		 	' 	Pct	
Monongahela	0-11		CL-ML, ML, SC-SM, SM	A-4			0	0-5	90-100 	85-100 	75-100	45-90 	20-35	1-10
	11-25	Silt loam, clay loam, gravelly loam	CL, CL-ML, ML	A-4, 	A-6		0	0-15 	90-100 	80-100 	75-100	70-90 	20-40	5-15
	25-65 	Silt loam, clay loam, gravelly loam		A-4, 	A-6		0	0-10 	80-100 	60-100 	55-95 	45-95 	20-40 	3-15
PvE:]												
Pineville	 0-5 	Very stony loam	 CL-ML, ML, SC-SM, SM	A-2,	A-4		0-5	 3-15 	 55-90 	 50-85 	45-80 	 30-75 	 25-35 	4-10
	5-59 	Loam, channery clay loam, channery loam	SC, SC-SM	A-2,	A-4,	A-6	0 	0-10	55-85 	50-80 	45 - 75 	30-65 	25-40 	6-15
	59-65 	Channery loam, very channery clay loam, very channery sandy loam	GC-GM, GM, SC, SC-SM 	A-1, 4, <i>F</i> 		A-	0	5-20 	 35-75 	30-70 	 25-65 	 20-60 	25-35 	4-12
Sb: Sensabaugh	 0.7	 Loam	 CL, CL-ML, ML				 0	 0 E	 00 100	175 05		 55 75	 16-29	 3-9
SellSabaugii		Gravelly loam, gravelly fine sandy loam, gravelly silty clay loam	CL, CL-ML, GC, SC-SM 	A-4, A-4, 	A-6		0						20-35 	
	27-65 	Very gravelly loam, gravelly clay loam, gravelly fine sandy loam		A-2,	A-4,	A-6	0 	5-30 	55-90 	25-75 	25-65 	20-55 	20-36 	6-15
Ud: Udorthents	 	 	 	 			 	 	 	 	 	 		

Table H.--Engineering Index Properties--Continued

			Ι	Classif	icati	on		Fragi	ments		rcentag	1 1			
Map symbol	Depth	USDA texture	l								sieve n	umber		Liquid Plas-	
and soil name		1		 Unified				>10	>10 3-10			_ limit	ticity		
			1			AASHTO		linches	linches	4	10	40	200	1	index
	 In	<u> </u>	¦		-			 Pct	Pct	 	<u> </u>	<u> </u>	- ¦	 Pct	¦
VaD:			i		i						i	İ	i		i
Vandalia	0-7	Silt loam	CL,	ML	A-4,	A-6,	A-7		0-5	80-100	75-100	70-95	50-90	25-45	5-20
	7-65	Channery silty	CH,	CL, ML	A-6,	A-7		0 	0-5 	75-100 	70-95 	65-90 	60-85 	35-55 	15-30
		channery silty clay, clay	 					 		 					
VsE:			1					 		 					
Vandalia	0-7	Very stony silt	CL,	ML	A-4,	A-6,	A-'/	3-15 	5-10 	65-95 	60-80 	55-75 	55-65 	25-45 	5-20
	7-65	Channery silty clay loam, clay loam, channery silty	ML 		A-6,	A-7		0 	0-5 	70-100 	70-95 	65-90 	60-85 	35-55 	15-30
		clay	i		i			! 	İ	! 	İ		<u> </u>	i	<u>'</u>
· · · · · · · · · · · · · · · · · · ·			i		i				i		i	i	i	i	i
₩:														1	
Water			 					 		 					